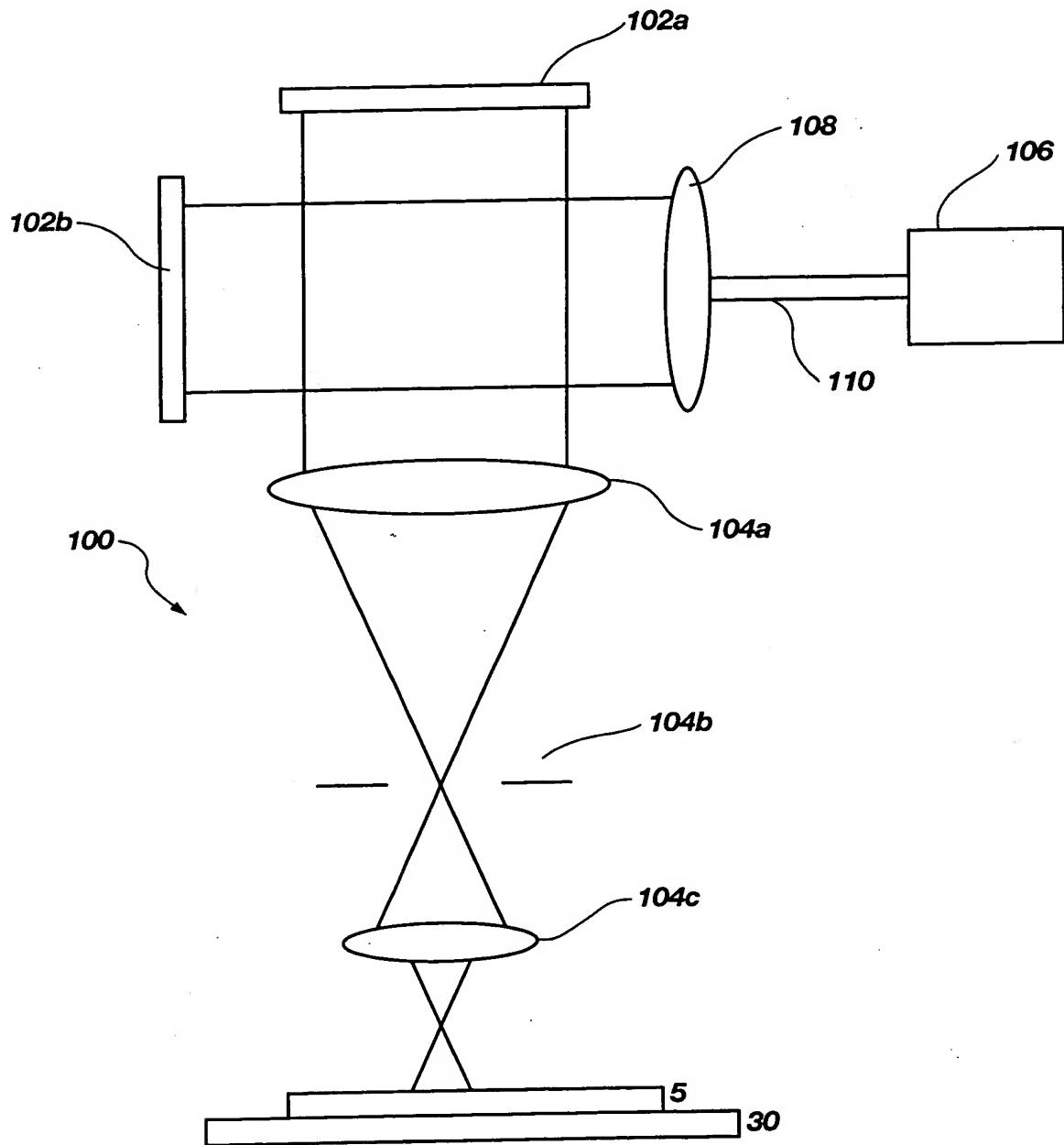
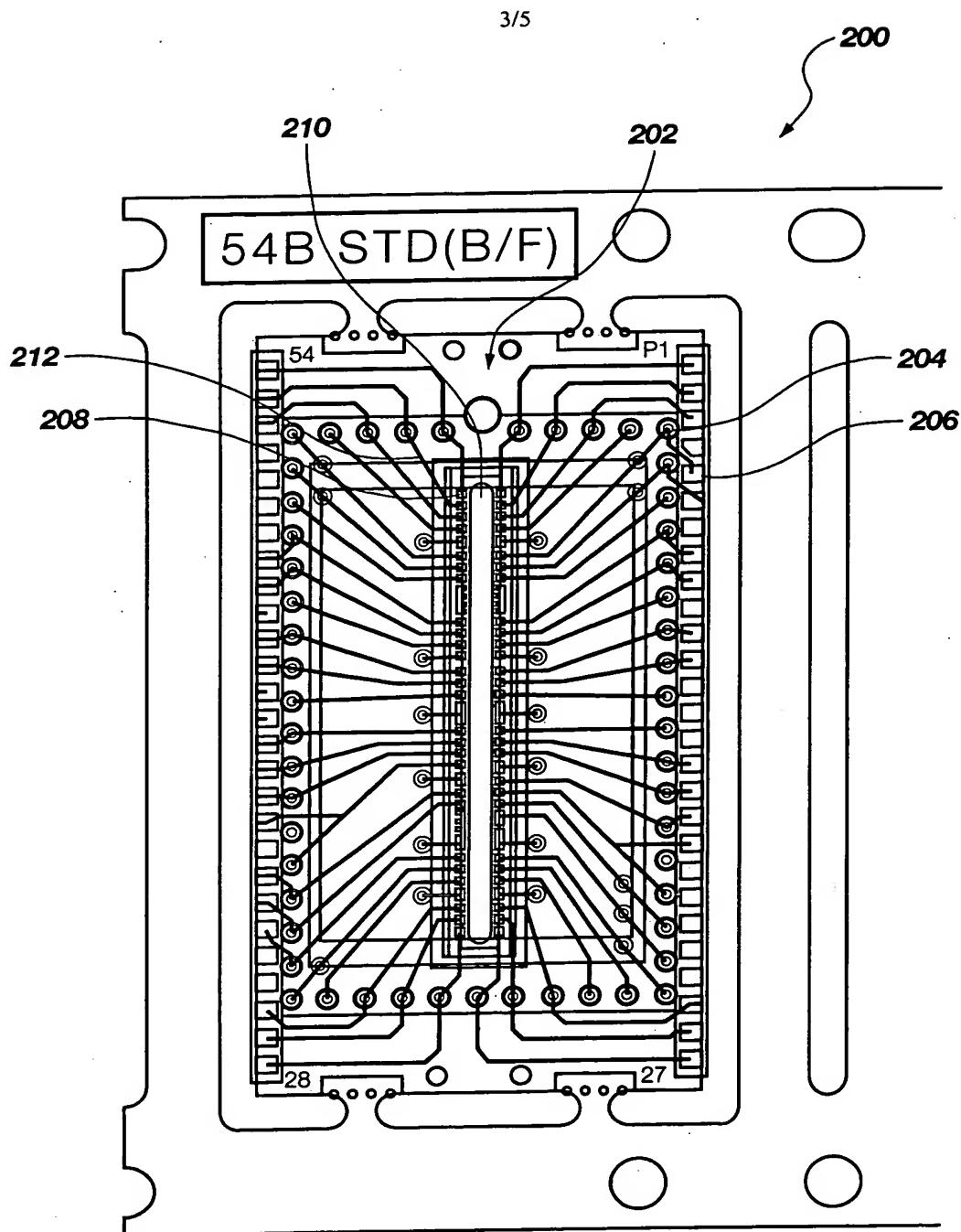


**Fig. 1**



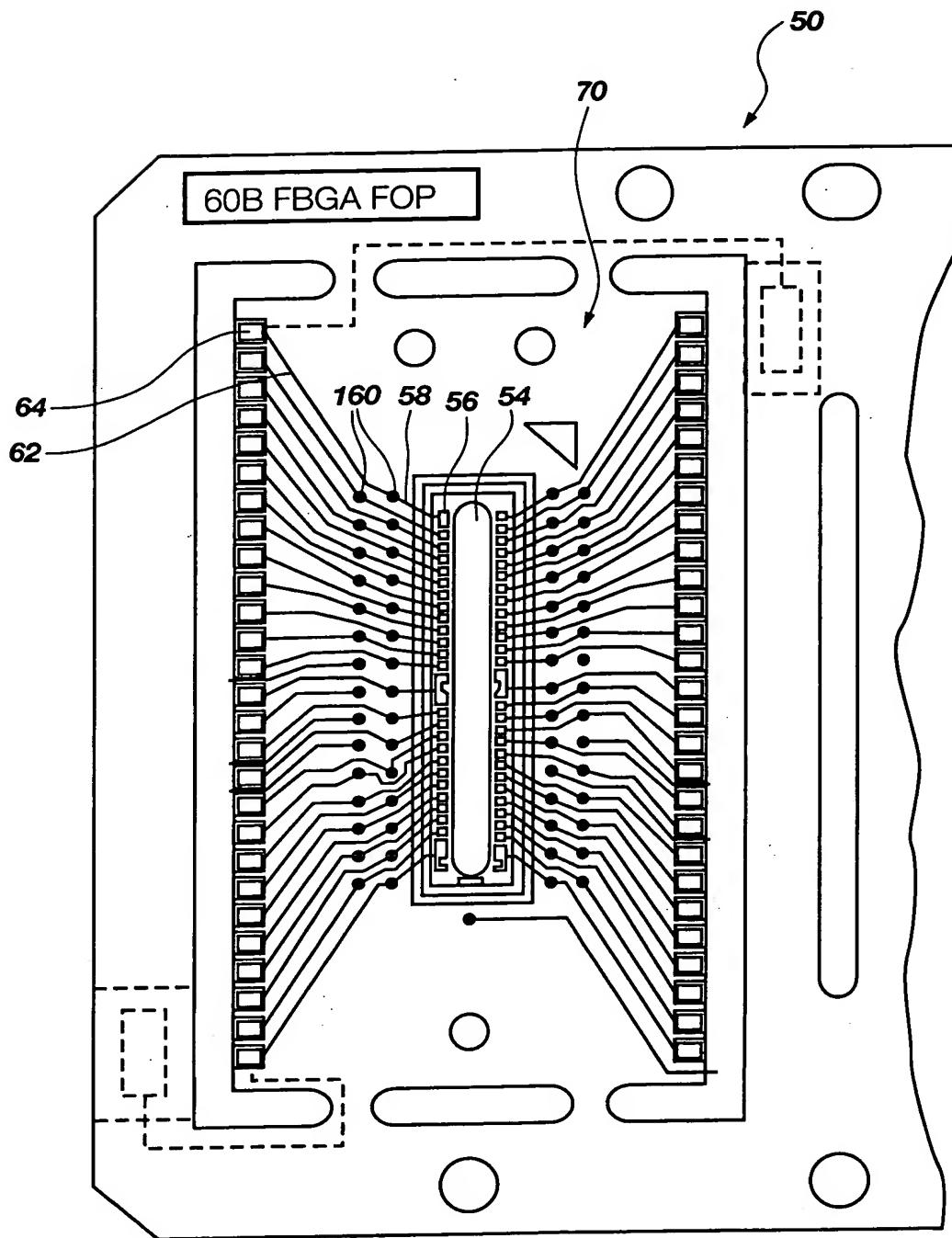
*Fig. 2*



*Fig. 3*

TITLE: METHODS FOR PREPARING BALL GRID ARRAY  
SUBSTRATES VIA USE OF A LASER  
Inventor: Frank L. Hall  
Docket No.: 4718.2US

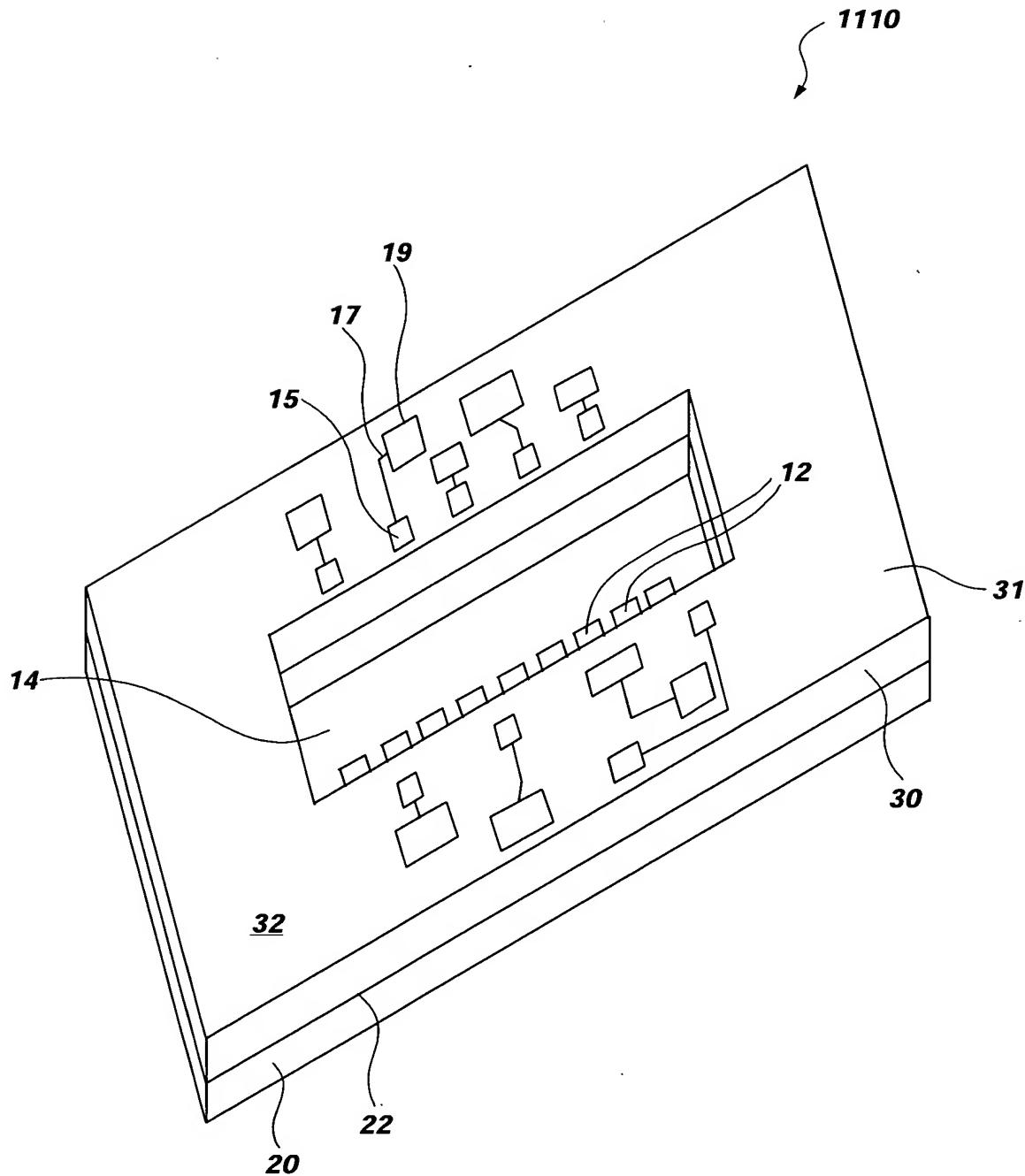
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**Fig. 4**

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SUBSTRATES VIA USE OF A LASER**  
Inventor: Frank L. Hall  
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***Fig. 5***